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(21)Application number : 2000-211384 (71)Applicant : CATALYSTS & CHEM IND CO LTD
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(54) FORMED CATALYST FOR HYDROGENATION TREATMENT AND PRODUCING METHOD THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a formed catalyst for hydrogenation treatment which exhibits excellent desulfurizing and decomposing activity when used for the hydrogenation treatment of hydrocarbon oils, in particular, a reduced pressure light oil, a light oil and a kerosine, etc., and has excellent properties, and a producing method thereof.

SOLUTION: This formed catalyst for hydrogenation treatment is formed by depositing at least one kind of metallic component selected from the Periodic Table group IVa and VIII on a phosphate-silica-alumina carrier and has the following properties 1-7: 1. Surface area is $\geq 300 \text{ m}^2/\text{g}$. 2. Pore volume is $0.45\text{--}0.80 \text{ ml/g}$. 3. Bulk specific gravity is $0.45\text{--}0.80 \text{ g/ml}$. 4. Average pore diameter is $60\text{--}90 \text{ \AA}$. 5. The pore ratio of pores of $\geq 100 \text{ \AA}$ is $\geq 15\%$. 6. The value of [pore volume (PV) occupied by pores of the average pore diameter $\pm 10 \text{ \AA}$] $\times 100/[$ pore volume occupied by pores of \geq pore diameter $34 \text{ \AA}]$ is $\geq 50\%$. 7. Mechanical strength is $\geq 7 \text{ N/mm}$.

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